

Our ref.-Nr. : 23001056/01
Report date : 6/07/2023

REPORT OF ANALYSIS

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Type : Received sample
Sample reference : Kindling woodpellets BE316
Sample material : Wood pellets ENplus A1
Date received : 26/06/2023
Received from : Prima Invest SPRL
Preparation : As per ISO 14780 ^(a)
Analyses : Results were found to be as follows:

Parameter	Method	Unit	Specifications	As received	Dry base
ENplus required parameters					
Total Moisture ^(a)	ISO 18134	%	≤ 10,0	2,9	***
Ash ^(a)	ISO 18122	%	≤ 0,70	***	0,42
Sulphur ^(a)	ISO 16994	%	≤ 0,04	***	0,01
Net Cal. Value (q _{p,net}) ^(a)	ISO 18125	kWh/kg	≥ 4,6	5,160	***
Nitrogen (N) ^(a)	ISO 16948	%	≤ 0,3	***	0,06
Chlorine (Cl)	ISO 16994	%	≤ 0,02	***	0,0038
Bulk density ^(a)	ISO 17828	kg/m ³	600 ≤ BD ≤ 750	700	***
Mechanical durability ^(a)	ISO 17831-1	%	≥ 98,0	98,9	***
Diameter ^(a)	ISO 17829	mm	6±1 or 8±1	6,1	***
Lenght ^(a)	ISO 17829	mm	3,15 ≤ L ≤ 40	12,2	***
Lenght < 10 mm	Enplus Guidance	%	S > 30 %	33,0	***
			20 % ≤ M ≤ 30 %		***
			L < 20 %		***
Fines < 3,15 mm round ^(a)	ISO 18846	%	bulk pellets ≤ 1,0	***	***
			bagged pellets ≤ 0,5	0,5	***
Coarse Fines ^(a)	based on ISO 18846	%	3,15mm ≤ FP < 5,6 mm	0,6	***
Additional parameters					
Gross Cal. Value (q _{v,gr}) ^(a)	ISO 18125	kJ/kg	***	***	20.486
		kcal/kg	***	***	4.893
		kWh/kg	***	***	5,691
Carbon (C) ^(a)	ISO 16948	%	***	***	50,7
Hydrogen (H) ^(a)	ISO 16948	%	***	***	6,24
Oxygen (O)	By difference	%	***	***	42,57
Stowage factor	Calculated	m ³ /t	***	1,43	***

^(a) Performed by Bureau Veritas Commodities Ghent NV. under accreditation certificate Belac 393-TEST

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AFT IN OXIDIZING ATMOSPHERE (ISO 21404)			
- Shrinkage temperature (SST)			1063
- Deformation temperature (DT)	°C	≥ 1200	1381
- Hemisphere temperature (HT)			1454
- Flow temperature (FT)			1463

For and on behalf of Bureau Veritas
Commodities Ghent NV
Sylvie Rasselle
Technical Manager

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PHOTOS OF THE SAMPLE

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EN ISO 9001:2015
EN ISO/IEC 17025:2017
ENplus®

Certified by TÜV NORD CERT GmbH; Certificate Registration No. 44 100 160 145
Accredited by BELAC; Certificate Registration No. 393-TEST
Certification; listed body for the testing of wood pellets
Certificate(s) can be provided upon request



The tests were carried out on samples supplied by the client and the results reported refer only to the samples as delivered.

The test results relate only to the items tested

Laboratory testing is carried out in approved Bureau Veritas Group or approved subcontract laboratories

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